

What is claimed is:

1. A solenoid (2) having a largely cylindrical hollow bobbin (3) which is made of an insulating material, may be slid onto a housing body (18) and is provided with at least two relay connectors (1) anchored in an end area (4) of the bobbin (3) and projecting axially therefrom; and having a contact element (9),

wherein the solenoid (2) and the contact element (9) are two separate components, which are connectable to each other by a connecting part (16) of the contact element (9) attachable to the housing body (18), and by bonding (20).

2. The solenoid according to Claim 1,

wherein the contact element (9) has at least two extensions (13) that are connectable by the bond (20) to the relay connectors (1) of the solenoid (2).

3. The solenoid according to Claim 1 or 2,

wherein the bond (20) is preferably formed by welding or soldering.

4. The solenoid according to one Claims 1 through 3,

wherein the contact element (9) has at least two contact tabs (10) which are connected to each other by a web (12).

5. The solenoid according to Claim 4,

wherein the contact tabs (10) have holes (14a, 14b).

6. The solenoid according to Claim 4 or 5,

wherein the contact element (9) is connected to the connecting part (16) by a first plastic web (15), the first plastic web (15) extending between the contact tabs (10), and each of the holes (14a) located in the contact tabs (10) being embedded in the first plastic web (15).

7. The solenoid according to Claim 6,

wherein two further holes (14b) are connected to each other by a second plastic web (19) which extends between the contact tabs (10).

8. The solenoid according to one of Claims 1 through 7, wherein the connecting part (16) partially surrounds the housing body (18).

9. The solenoid according to Claim 8, wherein the housing body (18) is cylindrical in shape.

10. The solenoid according to Claim 9, wherein the connecting part (16) surrounds the housing body (18) in an angular range that is greater than 180°.

11. The solenoid according to one of Claims 1 through 10, wherein the connecting part (16) is preferably made of an elastic plastic.

12. The solenoid according to Claim 6 or 7, wherein the connecting part (16) is injection-molded onto the first plastic web (15).

13. The solenoid according to Claim 12, wherein extensions (13) of the at least two contact tabs (10) are bent at an angle.

14. A method for connecting a solenoid (2) to at least one contact element (9), the solenoid being made of an insulating material, and having a largely cylindrical, hollow bobbin (3), which may be slid onto a housing body (18) and is provided with at least two relay connectors (1) that are anchored in an end area (4) of the bobbin (3) and project axially from it; the method having the following method steps:

- mounting of the solenoid (2) on the housing body (18);
- mounting of a connecting part (16) attached to the contact element (9), on the housing body (18); and

- connection of the contact element (9) to the relay connectors (1) by bonding (20).

15. The method according to Claim 14, wherein the relay connectors (1) of the solenoid (2) are bent at a predetermined angle.

16. The method according to Claim 15, wherein the contact tabs (10) of the contact element (9) are bent toward the connecting part (16) at a predetermined angle.

17. The method according to Claim 16, wherein a web (12) extending between the contact tabs (10) of the contact element (9) is punched out.